

Storm Data and Unusual Weather Phenomena - June 2012

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|-----------|-------------------|---------------------|------------------------|
|----------|-----------|-------------------|---------------------|------------------------|

KANSAS, Extreme Southeast

(KS-Z073) BOURBON

| | | |
|--------------------|---|---------|
| 06/01/12 00:00 CST | 0 | Drought |
| 06/30/12 23:59 CST | 0 | |

Persistent high pressure over the region produced excessively high temperatures and limited rainfall during the month. Some locations across extreme southeastern Kansas saw limited rainfall despite a few storms that move through the region. This area was upgraded from a Moderate Drought (D1) to a Severe Drought (D2) in June.

(KS-Z073) BOURBON, (KS-Z101) CHEROKEE

| | | |
|--------------------|---|------|
| 06/01/12 00:00 CST | 0 | Heat |
| 06/30/12 23:59 CST | 0 | |

A strong ridge of high pressure settled over the central portions of the U.S. beginning in June and became the dominant weather pattern for much of the Summer of 2012. High temperatures reached above 100 degrees by the end of the month. The overall mean temperatures for Joplin was 2.3 degrees above normal for the month of June. There were 16 days where the maximum temperatures reached 90 degrees or above. Heat advisories and warnings were issued for portions of the area by the end of June. Even though air temperatures were extreme, the humidity levels were relatively dry causing the heat index to be closer to the actual air temperatures.

MISSOURI, Southwest

(MO-Z082) TEXAS, (MO-Z083) DENT, (MO-Z096) DOUGLAS, (MO-Z097) HOWELL, (MO-Z098) SHANNON, (MO-Z103) STONE, (MO-Z104) TANEY, (MO-Z105) OZARK, (MO-Z106) OREGON

| | | |
|--------------------|---|---------|
| 06/01/12 00:00 CST | 0 | Drought |
| 06/30/12 23:59 CST | 0 | |

Persistent high pressure over the region produced excessively high temperatures and limited rainfall during the month. Some locations across extreme southwestern Missouri saw limited rainfall despite a few storms that move through the region. This area was upgrade from a Moderate Drought (D1) to a Severe Drought (D2) during the month of June.

(MO-Z055) BENTON, (MO-Z056) MORGAN, (MO-Z057) MILLER, (MO-Z058) MARIES, (MO-Z066) VERNON, (MO-Z067) ST. CLAIR, (MO-Z068) HICKORY, (MO-Z069) CAMDEN, (MO-Z070) PULASKI, (MO-Z071) PHELPS, (MO-Z077) BARTON, (MO-Z078) CEDAR, (MO-Z079) POLK, (MO-Z080) DALLAS, (MO-Z081) LACLEDE, (MO-Z082) TEXAS, (MO-Z083) DENT, (MO-Z088) JASPER, (MO-Z089) DADE, (MO-Z090) GREENE, (MO-Z091) WEBSTER, (MO-Z092) WRIGHT, (MO-Z093) NEWTON, (MO-Z094) LAWRENCE, (MO-Z095) CHRISTIAN, (MO-Z096) DOUGLAS, (MO-Z097) HOWELL, (MO-Z098) SHANNON, (MO-Z101) MCDONALD, (MO-Z102) BARRY, (MO-Z103) STONE, (MO-Z104) TANEY, (MO-Z105) OZARK, (MO-Z106) OREGON

| | | |
|--------------------|---|------|
| 06/01/12 00:00 CST | 0 | Heat |
| 06/30/12 23:59 CST | 0 | |

A strong ridge of high pressure settled over the central portions of the U.S. and over the Ozarks beginning in June and became the dominant weather pattern for much of the Summer of 2012. Several record highs were broken around the area and high temperatures were reach above 100 degrees by the end of the month. The overall mean temperatures for Springfield was 2.6 degrees above normal for the month of June. A record high temperature of 101 degrees was reached both on June 27th and June 28th. There were 12 days where the maximum temperatures reached 90 degrees or above. Heat advisories and warnings were issued for portions of the area by the end of June. Even though air temperatures were extreme, the humidity levels were relatively dry causing the heat index to be closer to the actual air temperatures. A total of 61 heat related illnesses were reported to the Springfield Health Department which collects data from the southwest Missouri region.

OZARK COUNTY --- 1.3 ESE UDALL [36.52, -92.25]

| | | |
|--------------------|---|------------------------|
| 06/03/12 18:55 CST | 0 | Hail (0.75 in) |
| 06/03/12 18:55 CST | 0 | Source: State Official |

A cold front moving across the Ozarks developed an isolated strong storm which produced sub-severe hail.

POLK COUNTY --- 0.6 E FAIR PLAY [37.63, -93.57]

| | | |
|--------------------|----|------------------------------|
| 06/11/12 07:25 CST | 2K | Thunderstorm Wind (EG 52 kt) |
| 06/11/12 07:25 CST | 0 | Source: Emergency Manager |

Trees were reported down in Fair Play.

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|--|--------------------|-------------------|---------------------|-----------------------------------|
| CEDAR COUNTY --- 1.6 W NEEDMORE [37.62, -93.75] | | | | |
| | 06/11/12 07:30 CST | | 0 | Thunderstorm Wind (EG 52 kt) |
| | 06/11/12 07:30 CST | | 0 | Source: Public |
| A few small tree limbs were blown down near the State Park Marina. | | | | |
| DADE COUNTY --- 2.3 NNW SEYBERT [37.55, -93.80] | | | | |
| | 06/11/12 07:30 CST | | 10K | Thunderstorm Wind (EG 52 kt) |
| | 06/11/12 07:30 CST | | 0 | Source: Emergency Manager |
| Six trees were blown down at Roark Bluff West campground. One tree fell on a tent and a vehicle. No injuries occurred. | | | | |
| DADE COUNTY --- 1.3 ENE LOCKWOOD [37.39, -93.95] | | | | |
| | 06/11/12 07:58 CST | | 0 | Hail (0.75 in) |
| | 06/11/12 07:58 CST | | 0 | Source: Law Enforcement |
| GREENE COUNTY --- ASH GROVE [37.32, -93.58] | | | | |
| | 06/11/12 08:10 CST | | 2K | Thunderstorm Wind (EG 52 kt) |
| | 06/11/12 08:10 CST | | 0 | Source: Emergency Manager |
| A few trees were blown down. | | | | |
| GREENE COUNTY --- 1.3 SW (SGF)SPRINGFIELD ARP [37.24, -93.40] | | | | |
| | 06/11/12 08:19 CST | | 0 | Thunderstorm Wind (MG 53 kt) |
| | 06/11/12 08:19 CST | | 0 | Source: Official NWS Observations |
| A 61 mph wind gust was recorded at the NWS office in Springfield. | | | | |
| GREENE COUNTY --- 1.5 NNE SPRINGFIELD [37.22, -93.28] | | | | |
| | 06/11/12 08:25 CST | | 0.10M | Thunderstorm Wind (EG 61 kt) |
| | 06/11/12 08:25 CST | | 0 | Source: Broadcast Media |
| A historic church sustained roof damage due to severe wind gusts . Estimated 70 mph wind gusts ripped the roof off the Crimson House ministries . Rain water soaked the sanctuary and flooded much of the historic building. | | | | |
| GREENE COUNTY --- 0.6 E SPRINGFIELD [37.20, -93.29] | | | | |
| | 06/11/12 08:28 CST | | 10K | Thunderstorm Wind (MG 59 kt) |
| | 06/11/12 08:28 CST | | 0 | Source: Emergency Manager |
| Trees and power lines were blown down. A 68 mph wind gust was recorded. | | | | |
| WEBSTER COUNTY --- 0.9 NE MARSHFIELD [37.34, -92.91] | | | | |
| | 06/11/12 08:31 CST | | 0 | Hail (0.75 in) |
| | 06/11/12 08:31 CST | | 0 | Source: Amateur Radio |
| WEBSTER COUNTY --- 0.9 NE MARSHFIELD [37.34, -92.91] | | | | |
| | 06/11/12 08:44 CST | | 0 | Hail (0.75 in) |
| | 06/11/12 08:44 CST | | 0 | Source: Public |
| GREENE COUNTY --- REPUBLIC [37.12, -93.48] | | | | |
| | 06/11/12 08:50 CST | | 0 | Hail (1.00 in) |
| | 06/11/12 08:50 CST | | 0 | Source: NWS Employee |
| GREENE COUNTY --- REPUBLIC [37.12, -93.48] | | | | |
| | 06/11/12 08:55 CST | | 0 | Hail (0.75 in) |
| | 06/11/12 08:55 CST | | 0 | Source: Fire Department/Rescue |
| STONE COUNTY --- 2.4 NNW NOTCH [36.70, -93.37] | | | | |

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|---|--------------------|-------------------|---------------------|------------------------------|
| | 06/11/12 09:00 CST | | 0 | Thunderstorm Wind (EG 52 kt) |
| | 06/11/12 09:00 CST | | 0 | Source: Emergency Manager |
| Wind gusts up to 60 mph were estimated. | | | | |
| WEBSTER COUNTY --- 0.6 E SEYMOUR [37.15, -92.77] | | | | |
| | 06/11/12 09:00 CST | | 2K | Thunderstorm Wind (EG 52 kt) |
| | 06/11/12 09:00 CST | | 0 | Source: Amateur Radio |
| A tree fell down near Seymour school. | | | | |
| DOUGLAS COUNTY --- 1.8 SE DOGWOOD [37.01, -92.83] | | | | |
| | 06/11/12 09:15 CST | | 4K | Thunderstorm Wind (EG 52 kt) |
| | 06/11/12 09:15 CST | | 0 | Source: Emergency Manager |
| Several trees were blown down. | | | | |
| WEBSTER COUNTY --- 0.9 NE MARSHFIELD [37.34, -92.91] | | | | |
| | 06/11/12 09:16 CST | | 0 | Hail (0.75 in) |
| | 06/11/12 09:16 CST | | 0 | Source: Broadcast Media |
| TEXAS COUNTY --- 1.4 S TURLEY [37.46, -92.20] | | | | |
| | 06/11/12 09:24 CST | | 0 | Thunderstorm Wind (EG 52 kt) |
| | 06/11/12 09:24 CST | | 0 | Source: Public |
| The public estimated wind gusts up to 60 mph. | | | | |
| WRIGHT COUNTY --- 0.6 E HARTVILLE [37.25, -92.51] | | | | |
| | 06/11/12 09:24 CST | | 0 | Hail (0.75 in) |
| | 06/11/12 09:24 CST | | 0 | Source: Amateur Radio |
| WRIGHT COUNTY --- 0.6 E HARTVILLE [37.25, -92.51] | | | | |
| | 06/11/12 09:24 CST | | 0 | Thunderstorm Wind (EG 52 kt) |
| | 06/11/12 09:24 CST | | 0 | Source: Amateur Radio |
| Wind gusts up to 60 mph were estimated. | | | | |
| LAWRENCE COUNTY --- 0.7 N VERONA [36.98, -93.80] | | | | |
| | 06/11/12 09:25 CST | | 0 | Hail (0.75 in) |
| | 06/11/12 09:25 CST | | 0 | Source: Public |
| CHRISTIAN COUNTY --- HIGHLANDVILLE [36.93, -93.28] | | | | |
| | 06/11/12 09:28 CST | | 0 | Hail (1.00 in) |
| | 06/11/12 09:28 CST | | 0 | Source: Public |
| HOWELL COUNTY --- 1.4 N SILOAM SPGS [36.82, -92.08] | | | | |
| | 06/11/12 10:22 CST | | 1K | Thunderstorm Wind (EG 52 kt) |
| | 06/11/12 10:22 CST | | 0 | Source: Public |
| A tree was blown across a road. | | | | |
| DOUGLAS COUNTY --- 1.7 W ROME [36.83, -92.81] | | | | |
| | 06/11/12 10:31 CST | | 0 | Heavy Rain |
| | 06/11/12 10:31 CST | | 0 | Source: Public |
| HOWELL COUNTY --- WEST PLAINS [36.73, -91.85] | | | | |
| | 06/11/12 10:41 CST | | 5K | Thunderstorm Wind (EG 52 kt) |
| | 06/11/12 10:41 CST | | 0 | Source: Amateur Radio |
| Power poles and trees were blown down. | | | | |

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| SHANNON COUNTY --- 0.6 E EMINENCE [37.15, -91.36] | | | | |
| | 06/11/12 10:52 CST | | 0 | Thunderstorm Wind (EG 52 kt) |
| | 06/11/12 10:52 CST | | 0 | Source: Law Enforcement |
| Wind gusts up to 60 mph were estimated. | | | | |
| STONE COUNTY --- 0.7 N GALENA [36.81, -93.47] | | | | |
| | 06/11/12 10:53 CST | | 1K | Thunderstorm Wind (EG 52 kt) |
| | 06/11/12 10:53 CST | | 0 | Source: Emergency Manager |
| A tree was blown over. | | | | |
| OREGON COUNTY --- 2.4 NNW KOSHKONONG [36.63, -91.67] | | | | |
| | 06/11/12 10:55 CST | | 2K | Thunderstorm Wind (EG 52 kt) |
| | 06/11/12 10:55 CST | | 0 | Source: Law Enforcement |
| Several trees were blown down over Highway M and Highway Z. | | | | |
| HOWELL COUNTY --- 0.6 E OLDEN [36.87, -91.91] | | | | |
| | 06/11/12 11:00 CST | | 0 | Heavy Rain |
| | 06/11/12 12:00 CST | | 0 | Source: Official NWS Observations |
| A one hour rainfall accumulation was recorded near West Plains. | | | | |
| SHANNON COUNTY --- 1.3 ESE MUNSETT [37.11, -91.31] | | | | |
| | 06/11/12 11:05 CST | | 1K | Thunderstorm Wind (EG 61 kt) |
| | 06/11/12 11:05 CST | | 0 | Source: Public |
| A large tree was blown over. | | | | |
| TEXAS COUNTY --- 1.4 S TURLEY [37.46, -92.20] | | | | |
| | 06/11/12 12:14 CST | | 0 | Thunderstorm Wind (EG 52 kt) |
| | 06/11/12 12:14 CST | | 0 | Source: Public |
| Wind gusts up to 60 mph were estimated. | | | | |
| A cold front moving through the Ozarks tapped in a very unstable atmosphere which developed a line of severe storms that moved through producing damaging winds and marginal severe hail. | | | | |
| PULASKI COUNTY --- 1.6 W DIXON [38.00, -92.13] | | | | |
| | 06/16/12 21:32 CST | | 5K | Thunderstorm Wind (EG 52 kt) |
| | 06/16/12 21:32 CST | | 0 | Source: Public |
| Several trees and power lines were reported down on Highway 133 west of Dixon. | | | | |
| BENTON COUNTY --- 0.9 SW RACKET [38.29, -93.49] | | | | |
| | 06/16/12 21:50 CST | | 2K | Thunderstorm Wind (EG 52 kt) |
| | 06/16/12 21:50 CST | | 0 | Source: Law Enforcement |
| Power lines were blown down. | | | | |
| PULASKI COUNTY --- 0.5 E CROCKER [37.95, -92.26] | | | | |
| | 06/16/12 21:50 CST | | 2K | Thunderstorm Wind (EG 52 kt) |
| | 06/16/12 21:50 CST | | 0 | Source: Law Enforcement |
| Several trees were downed in Crocker on Highway 133. | | | | |
| PULASKI COUNTY --- 0.9 SE DIXON [37.99, -92.09] | | | | |
| | 06/16/12 22:03 CST | | 0 | Heavy Rain |
| | 06/16/12 22:03 CST | | 0 | Source: Trained Spotter |
| A trained spotter recorded 1.30 inches of rainfall in one hour. | | | | |

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| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|---------------------------------|
| ST. CLAIR COUNTY --- 0.9 SE PAPE [37.96, -93.96] | | | | |
| | 06/16/12 23:20 CST | | 0 | Hail (1.00 in) |
| | 06/16/12 23:20 CST | | 0 | Source: Law Enforcement |
| BENTON COUNTY --- 0.9 SW RACKET [38.29, -93.49], 0.7 SW RACKET [38.29, -93.49], 0.8 WSW RACKET [38.29, -93.49], 0.9 SW RACKET [38.29, -93.49] | | | | |
| | 06/16/12 23:36 CST | | 0 | Flash Flood (due to Heavy Rain) |
| | 06/17/12 01:36 CST | | 0 | Source: Law Enforcement |
| High water was reported over Highway 7 near Racket. | | | | |
| ST. CLAIR COUNTY --- 0.9 SE PAPE [37.96, -93.96] | | | | |
| | 06/17/12 00:19 CST | | 0 | Hail (1.00 in) |
| | 06/17/12 00:19 CST | | 0 | Source: Law Enforcement |
| VERNON COUNTY --- 3.1 ESE HARWOOD [37.94, -94.12], 3.3 ESE HARWOOD [37.93, -94.12], 2.7 ESE HARWOOD [37.94, -94.12], 2.7 E HARWOOD [37.94, -94.12] | | | | |
| | 06/17/12 03:39 CST | | 0 | Flash Flood (due to Heavy Rain) |
| | 06/17/12 05:39 CST | | 0 | Source: Law Enforcement |
| High water was reported over County Road AA and Highway 54 between Walker and Schell City. These roads were closed for several hours. | | | | |
| A cold front moved down into the central Missouri region and an upper level trough moved across the upper Midwest. A few severe thunderstorms developed during the overnight hours with minor wind damage being reported and isolated flash flooding. | | | | |